

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038091.D
 Acq On : 19 Nov 2021 18:47
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Nov 22 06:36:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	793242	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2237573	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1861146	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1419774	10.58	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.80%

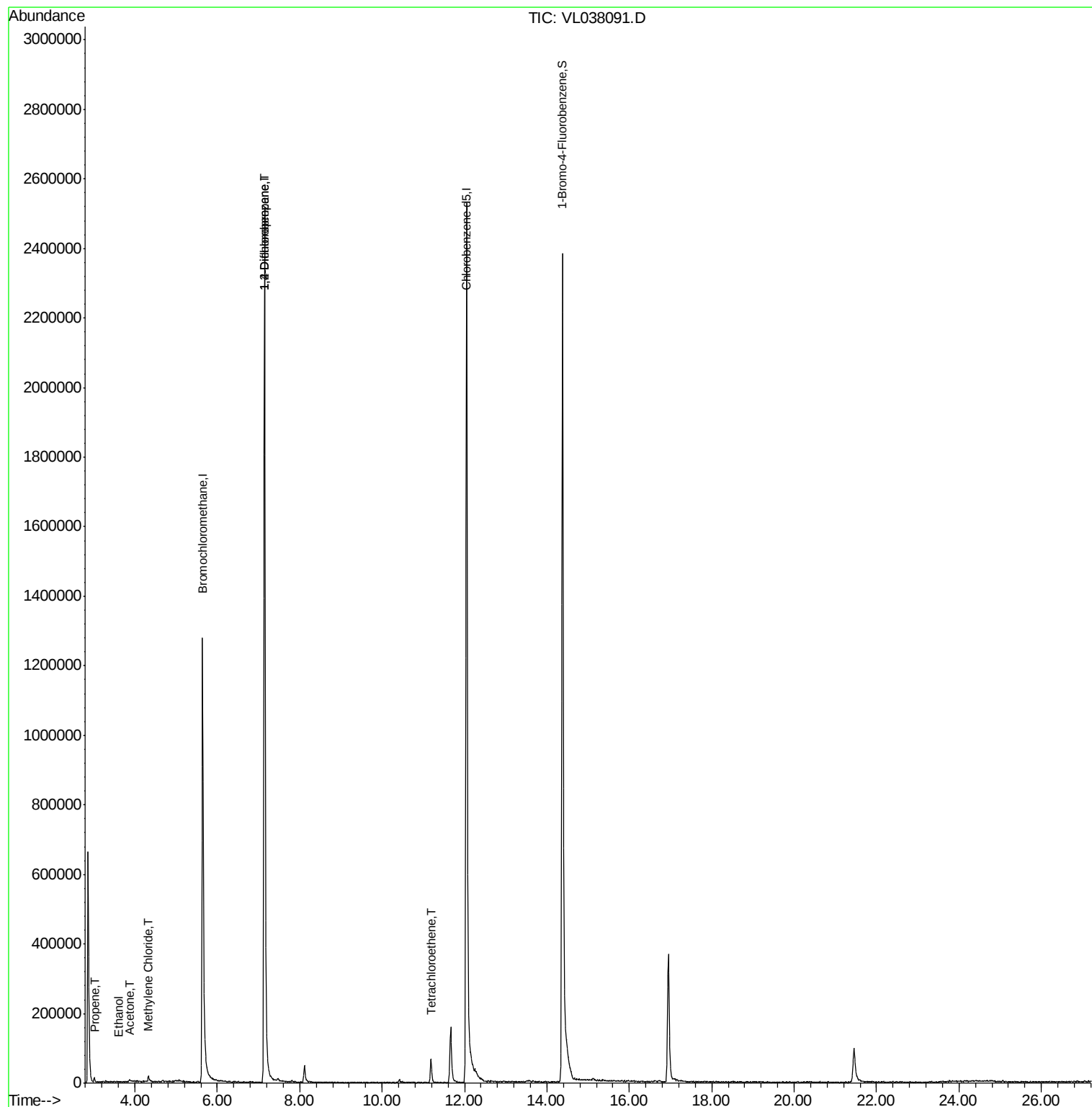
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	2156	0.035	ppbv #	27
13) Ethanol	3.61	45	640	0.108	ppbv	80
15) Acetone	3.87	43	4044	0.059	ppbv #	47
20) Methylene Chloride	4.32	84	3614	0.094	ppbv #	74
39) 1,2-Dichloropropane	7.14	63	565385	6.603	ppbv #	27
52) Tetrachloroethene	11.19	164	9331	0.113	ppbv	88

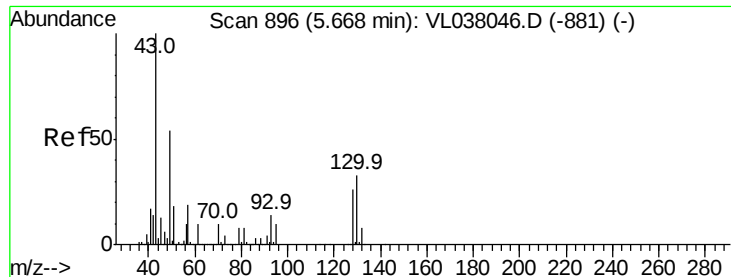
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL111921\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 19 Nov 2021 18:47

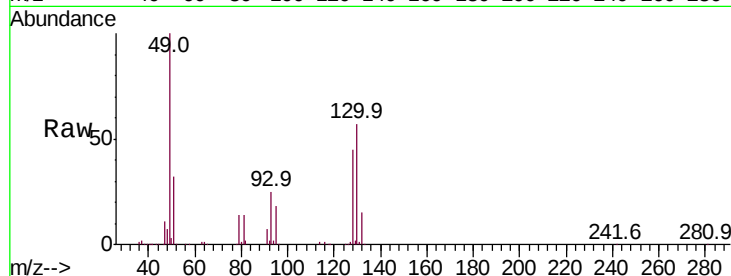
Tot Ion: 49 Resp: 793242

Ion Ratio Lower Upper

49 100

128 49.8 26.5 79.5

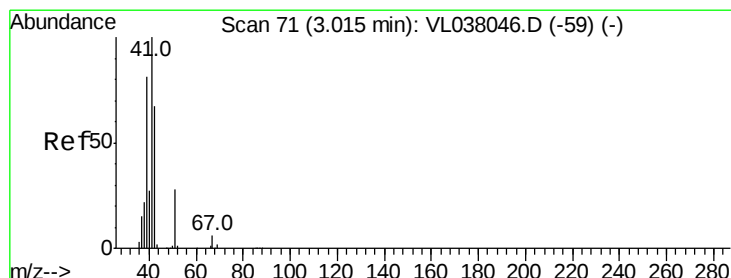
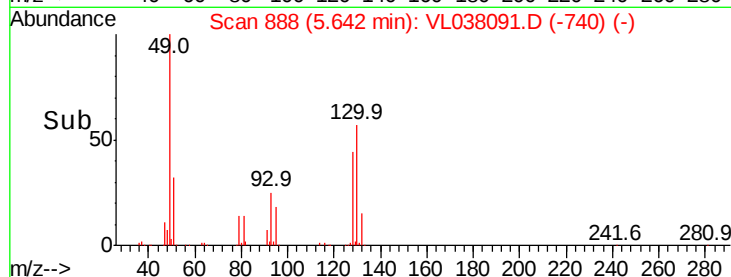
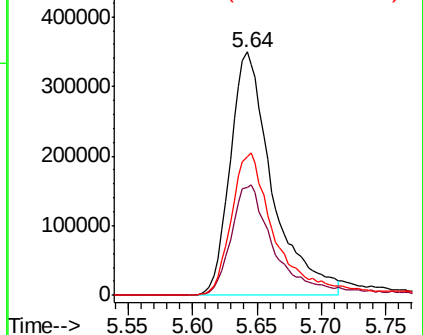
130 63.8 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.035 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL038091.D

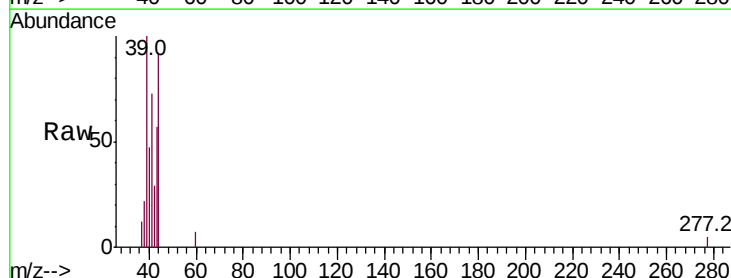
Acq: 19 Nov 2021 18:47

Tgt Ion: 41 Resp: 2156

Ion Ratio Lower Upper

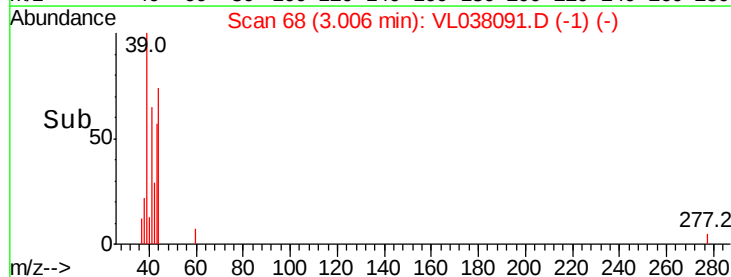
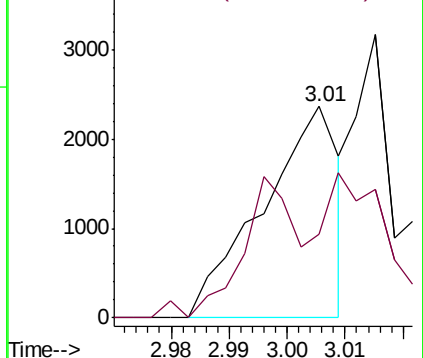
41 100

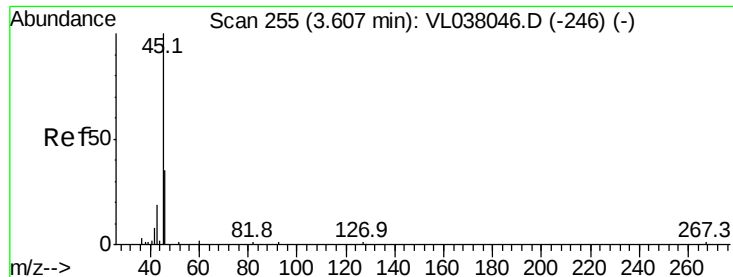
42 125.9 53.8 80.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

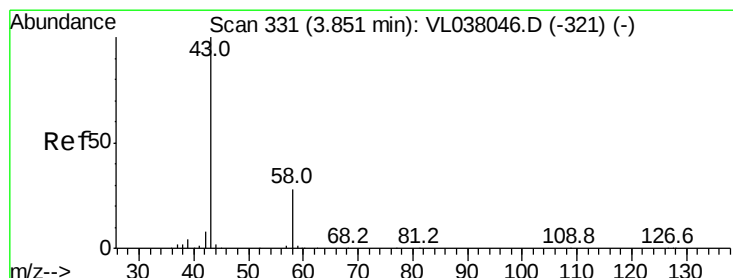
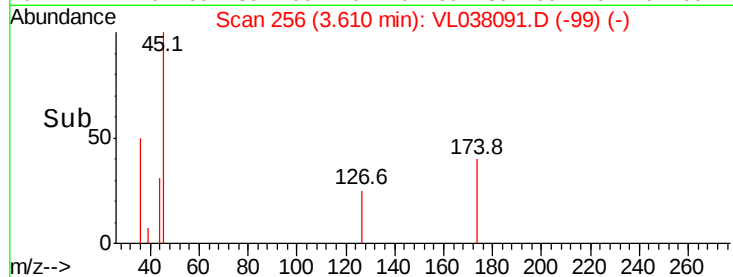
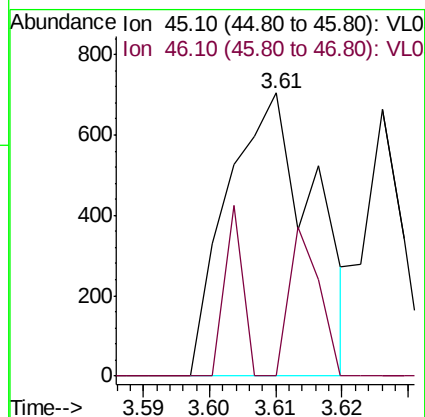
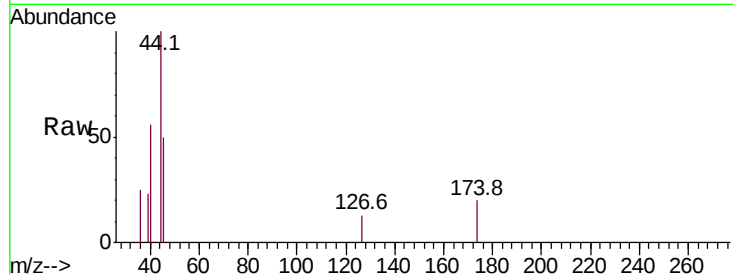
Ion 42.10 (41.80 to 42.80): VL0





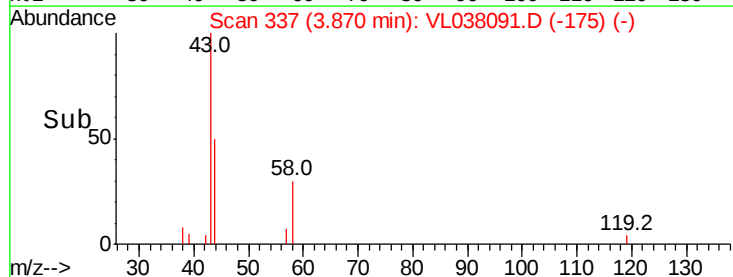
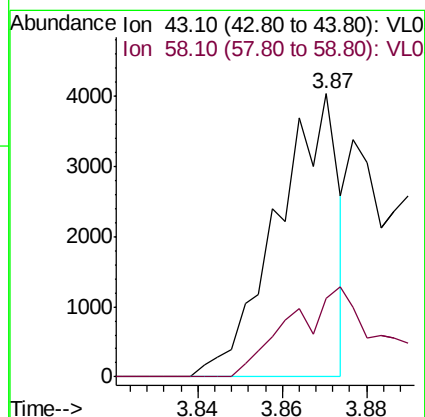
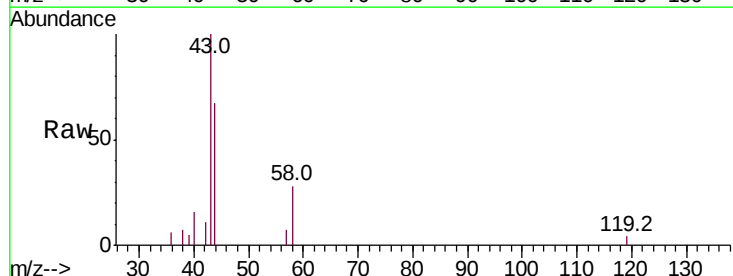
#13
Ethanol
Concen: 0.108 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 18:47

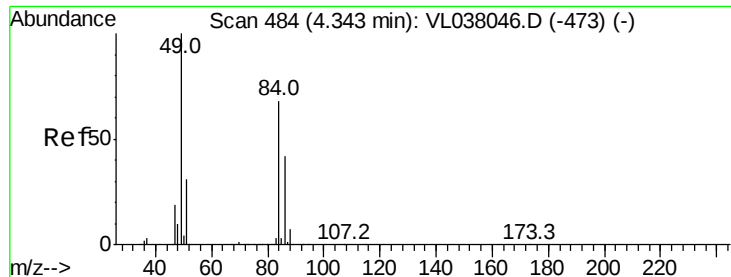
Tot Ion: 45 Resp: 640
Ion Ratio Lower Upper
45 100
46 31.3 17.6 70.2



#15
Acetone
Concen: 0.059 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL038091.D
Acq: 19 Nov 2021 18:47

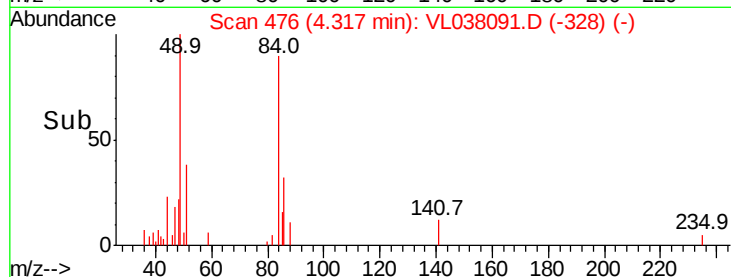
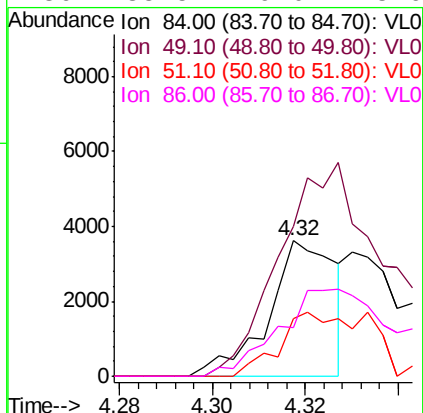
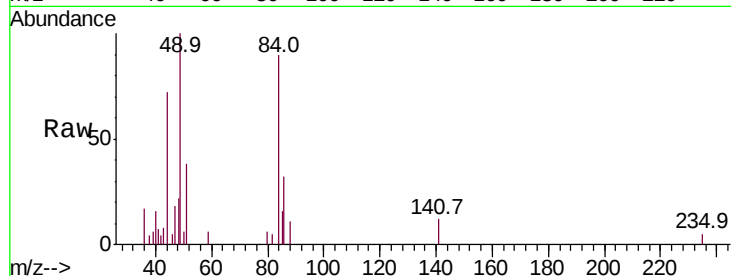
Tgt Ion: 43 Resp: 4044
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#





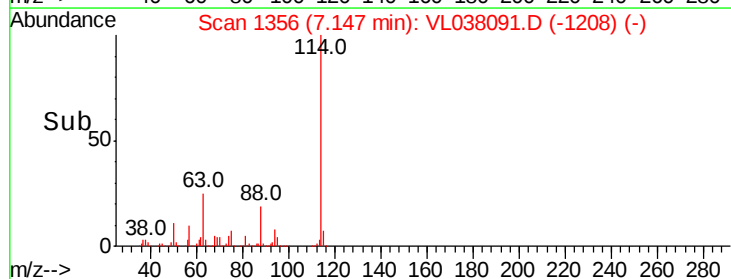
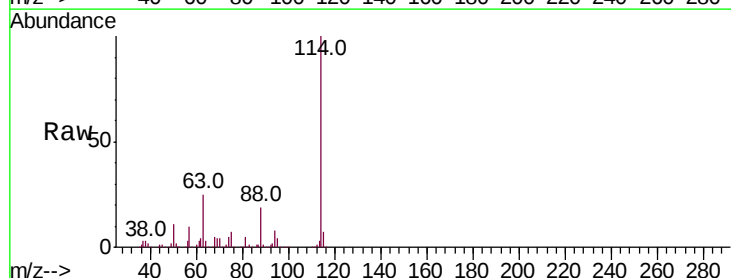
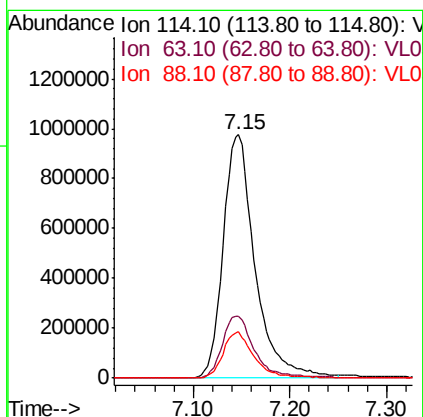
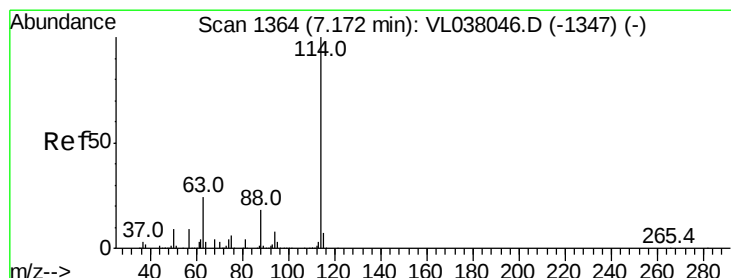
#20
Methylene Chloride
Concen: 0.094 ppbv
RT: 4.32
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 18:47

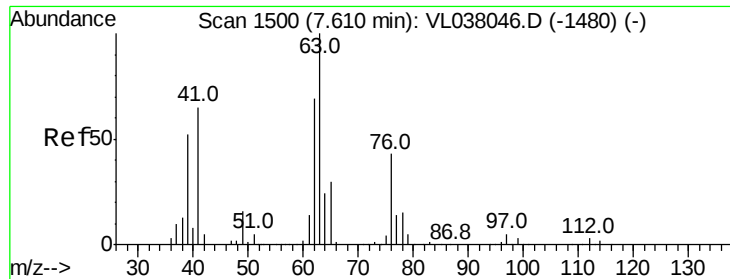
Tot Ion: 84 Resp: 3614
Ion Ratio Lower Upper
84 100
49 110.7 118.2 177.2#
51 42.3 36.8 55.2
86 35.5 49.0 73.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL038091.D
Acq: 19 Nov 2021 18:47

Tgt Ion:114 Resp: 2237573
Ion Ratio Lower Upper
114 100
63 25.9 19.7 29.5
88 18.4 14.4 21.6





#39

1,2-Dichloropropane

Concen: 6.603 ppbv

RT: 7.14 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VIBLK

Acq: 19 Nov 2021 18:47

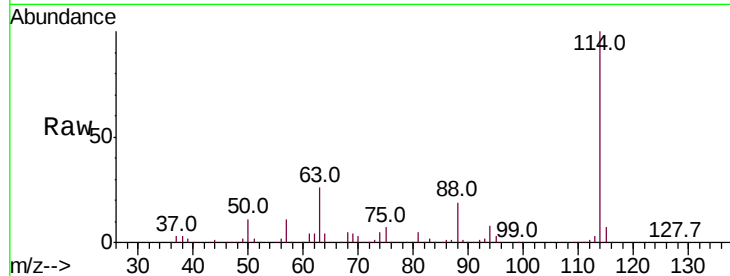
Tot Ion: 63 Resp: 565385

Ion Ratio Lower Upper

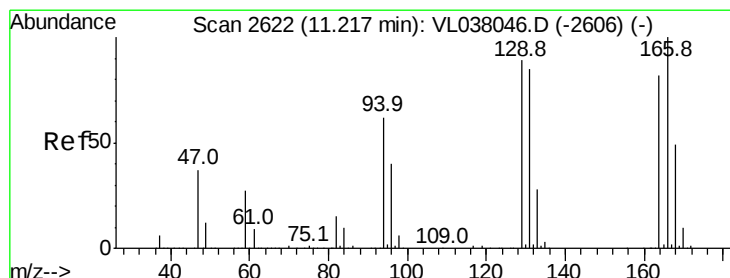
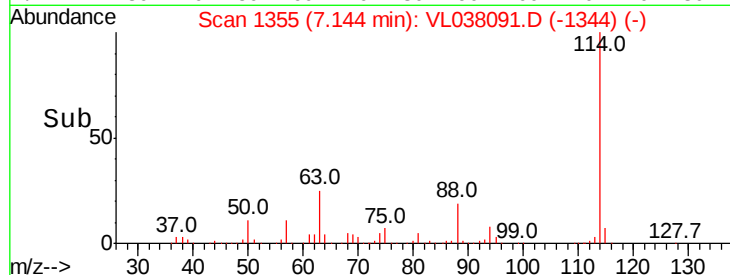
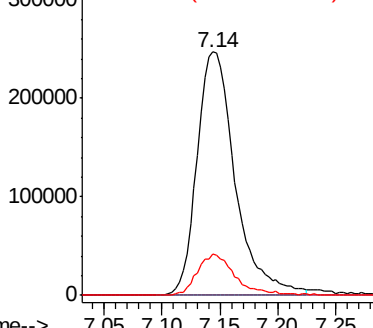
63 100

41 0.0 52.3 78.5#

62 17.2 55.1 82.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#52

Tetrachloroethene

Concen: 0.113 ppbv

RT: 11.19 min Scan# 2612

Delta R.T. -0.03 min

Lab File: VL038091.D

Acq: 19 Nov 2021 18:47

Tgt Ion:164 Resp: 9331

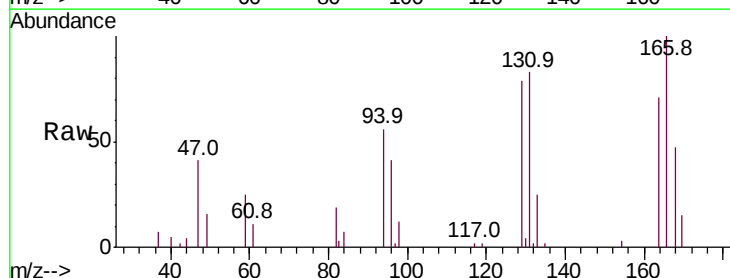
Ion Ratio Lower Upper

164 100

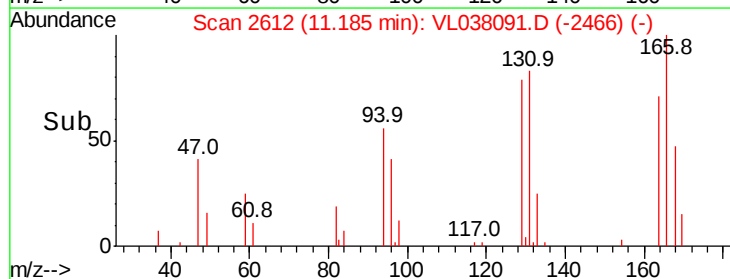
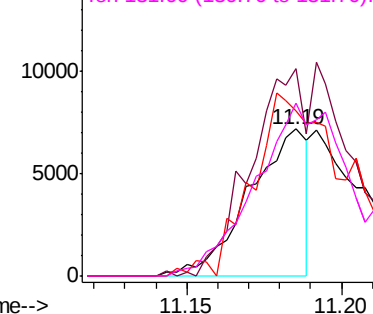
166 141.0 97.2 145.8

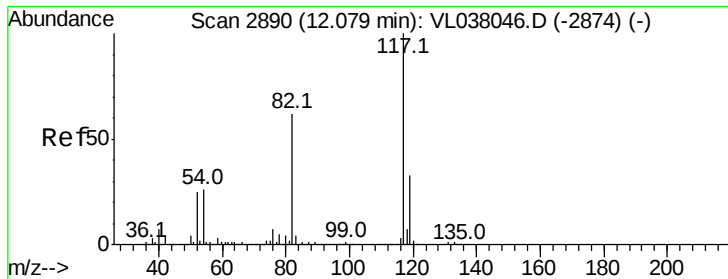
129 112.1 86.9 130.3

131 117.7 82.8 124.2



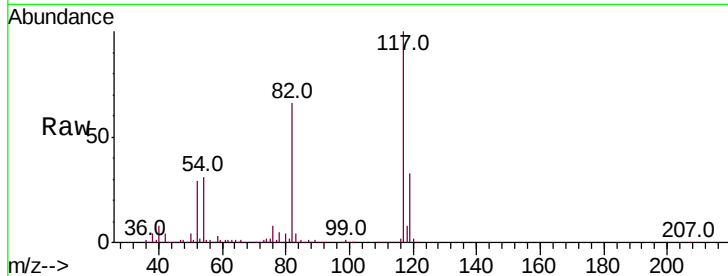
Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V



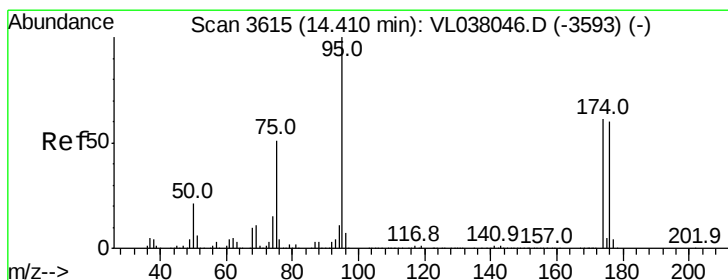
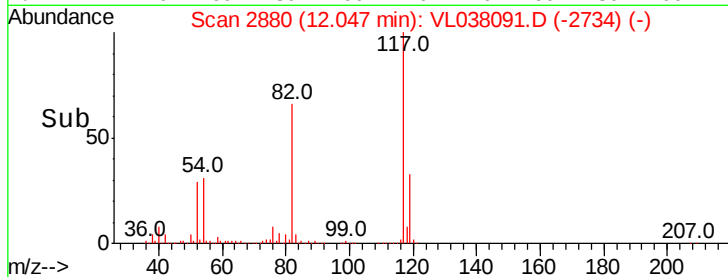
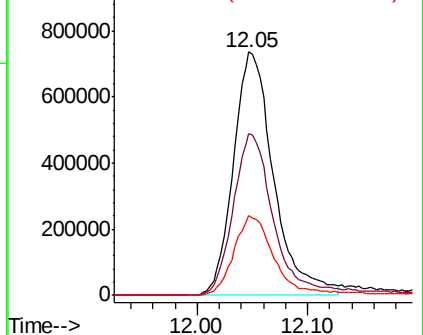


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 19 Nov 2021 18:47

Tot Ion:117 Resp: 1861146
Ion Ratio Lower Upper
117 100
82 70.9 52.8 79.2
119 34.4 26.8 40.2

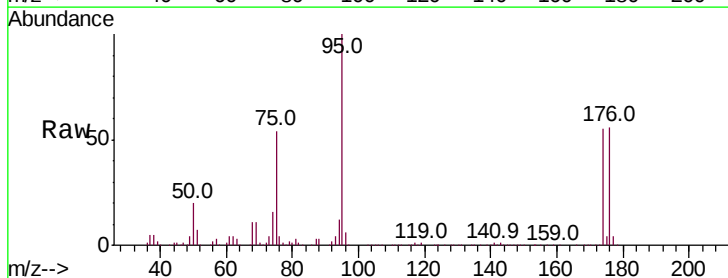


Abundance Ion 117.10 (116.80 to 117.80): V
1000000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.576 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.03 min
Lab File: VL038091.D
Acq: 19 Nov 2021 18:47

Tgt Ion: 95 Resp: 1419774
Ion Ratio Lower Upper
95 100
174 62.8 53.1 79.7
175 4.6 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

